

0064026.011601

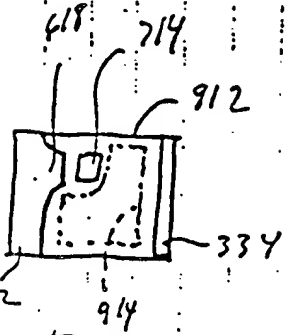


Fig 9

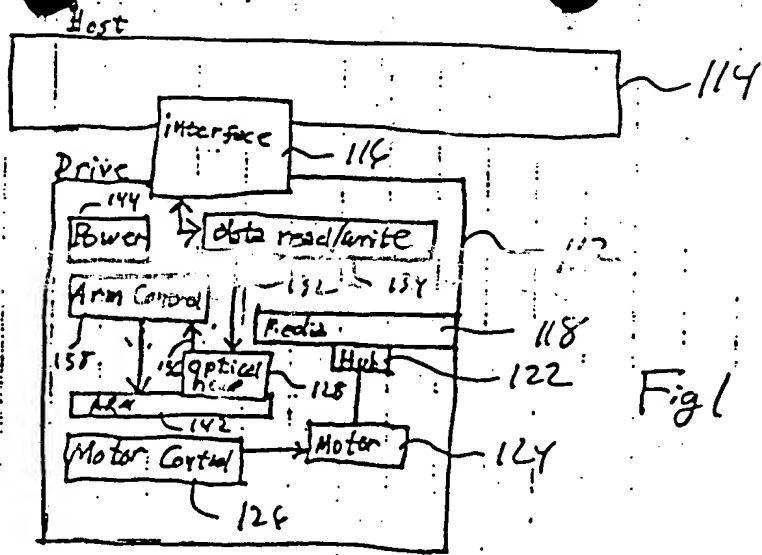


Fig 1

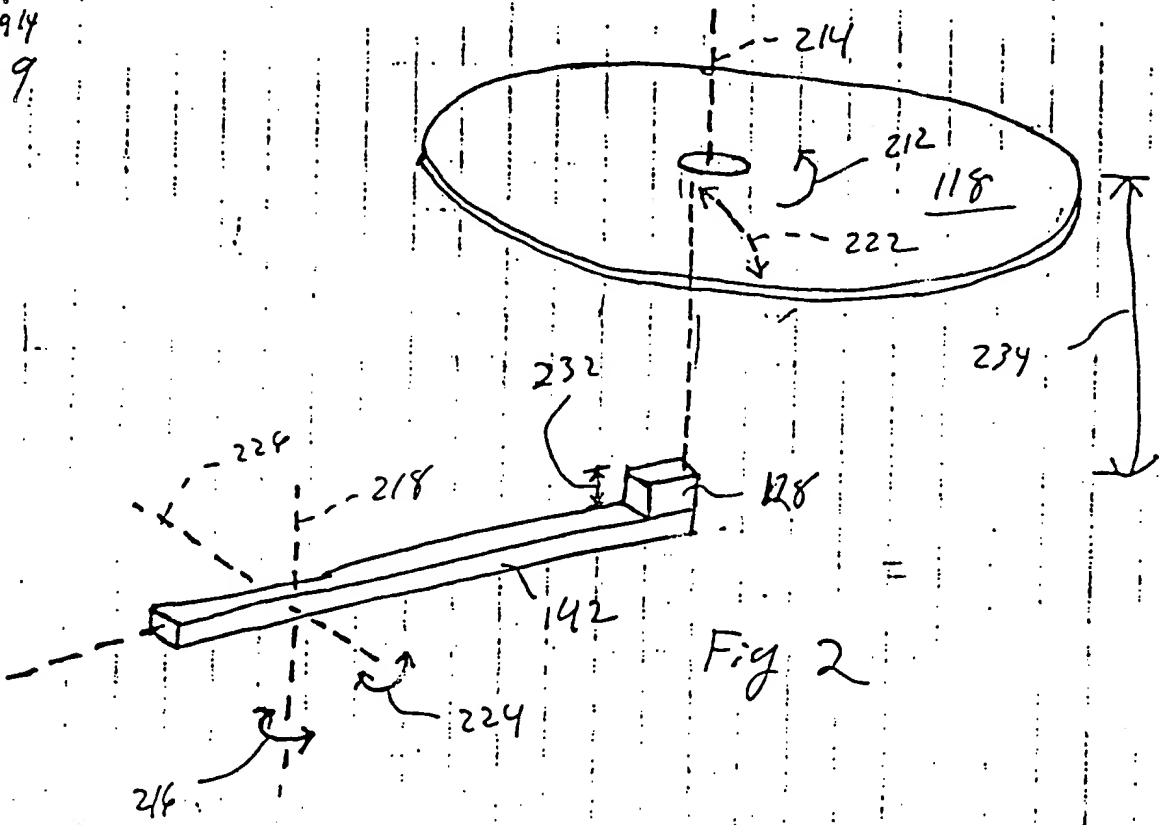


Fig 2

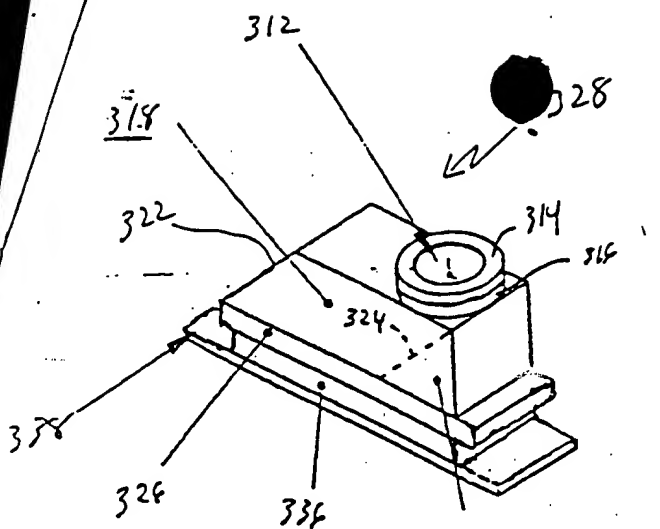


Fig 3

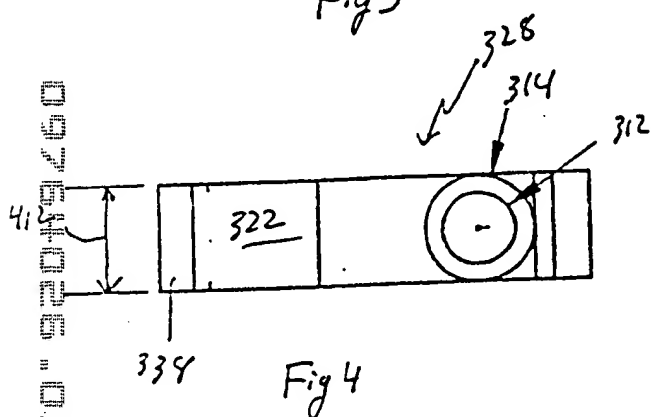


Fig 4

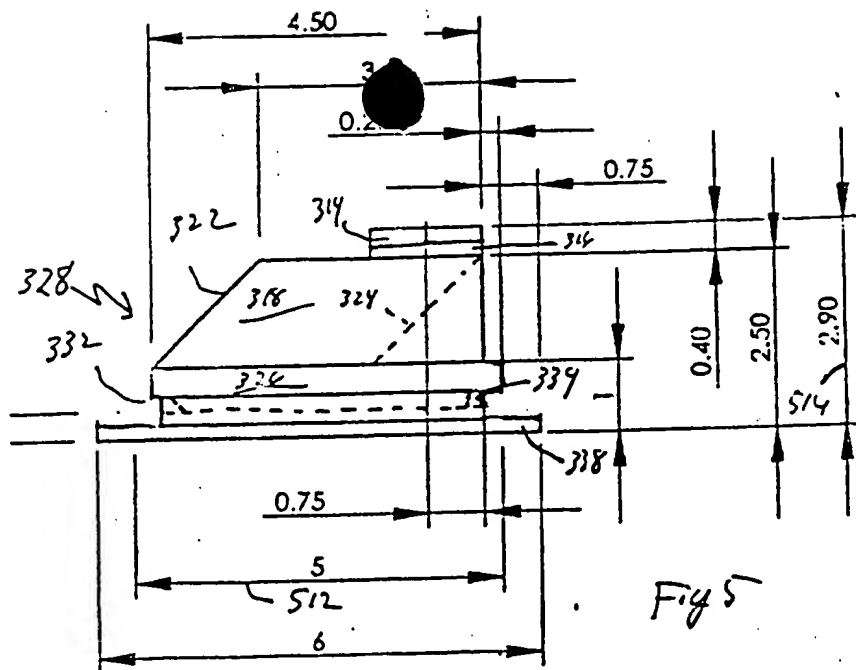


Fig 5

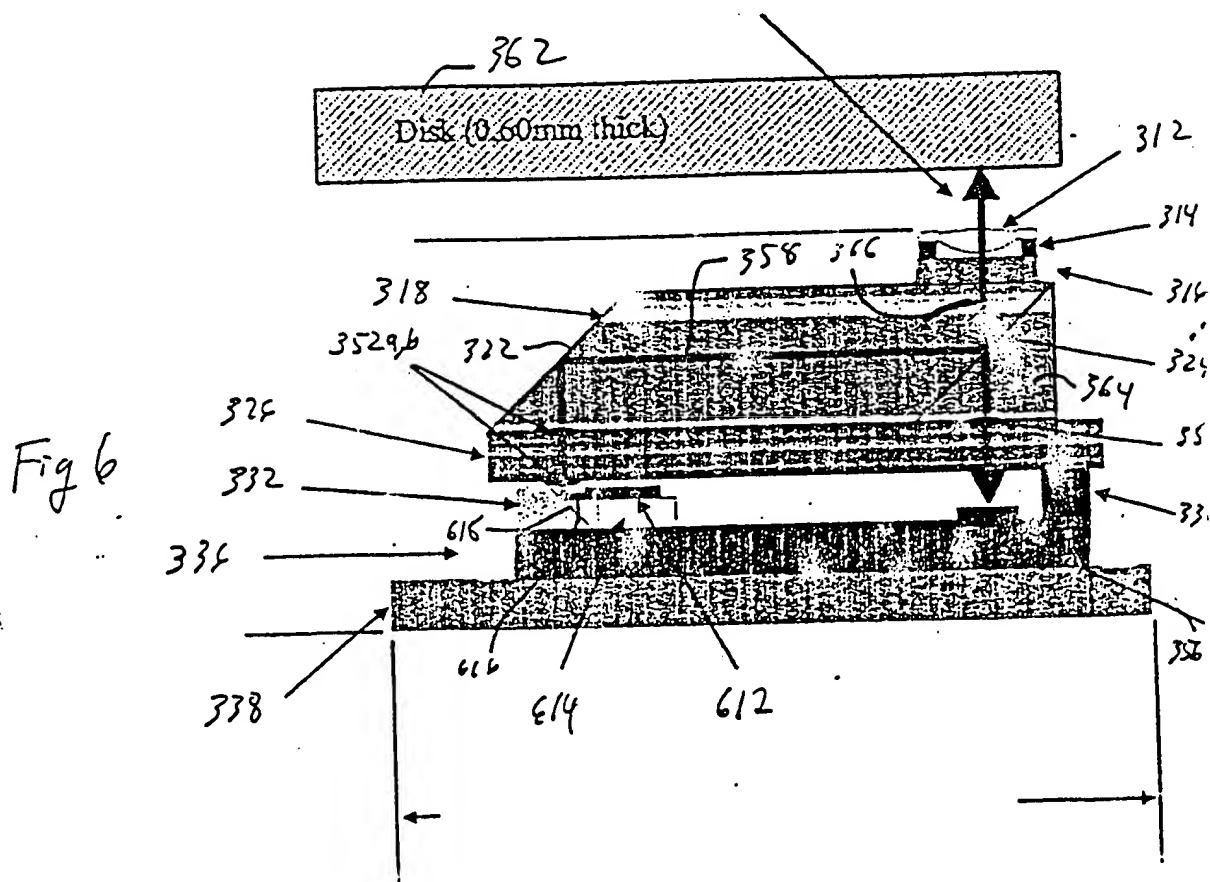
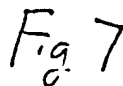
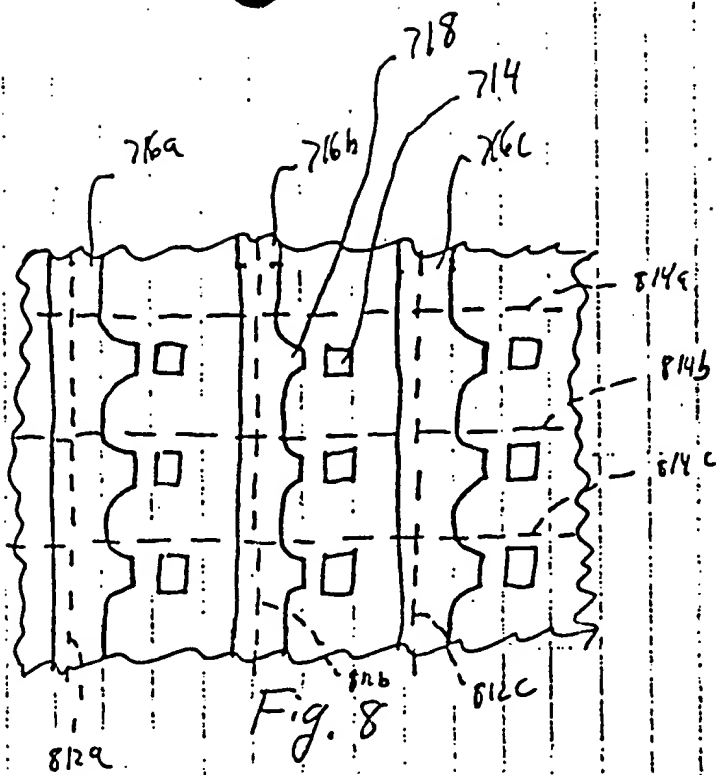


Fig 6

A hand-drawn map of a coastal area, possibly a bay or inlet. The map features several labels and symbols:

- Labels:**
 - 76a (top center)
 - 7145 (top right)
 - 7146 (middle right)
 - 7142 (middle right)
 - 716b (top right)
 - 714x (middle right)
 - 716c (bottom center)
 - 716a (left side)
 - 716b (left side)
 - 716c (left side)
 - 716d (left side)
- Symbols:**
 - Small squares (possibly representing buildings or structures) arranged in rows along the coast.
 - Small circles (possibly representing trees or other features).
 - A dashed line running diagonally across the lower part of the map.
 - A curved line representing the coastline.



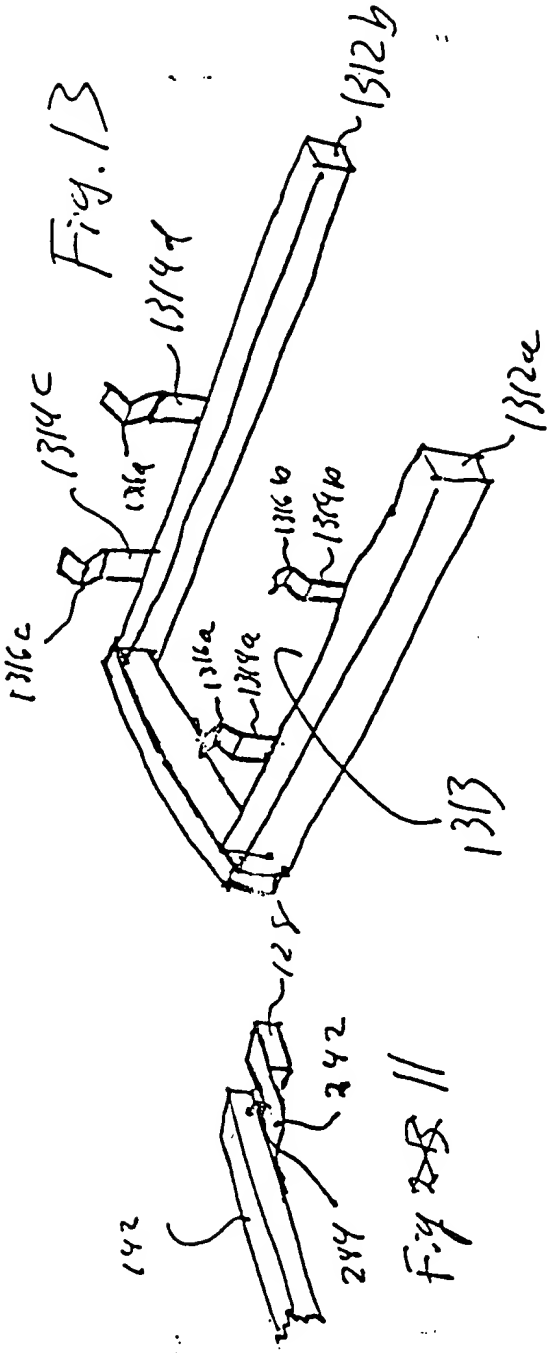
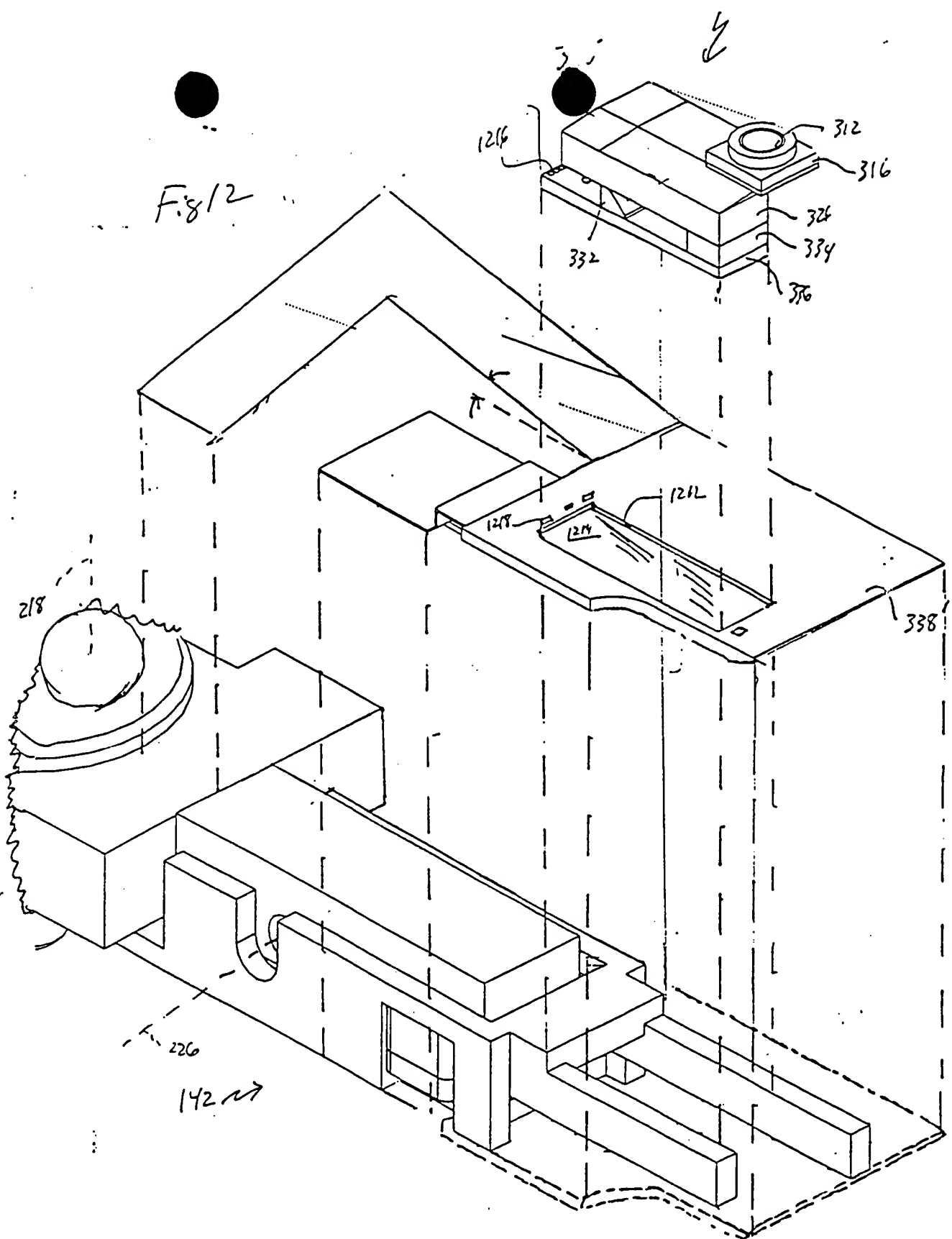


Fig 12



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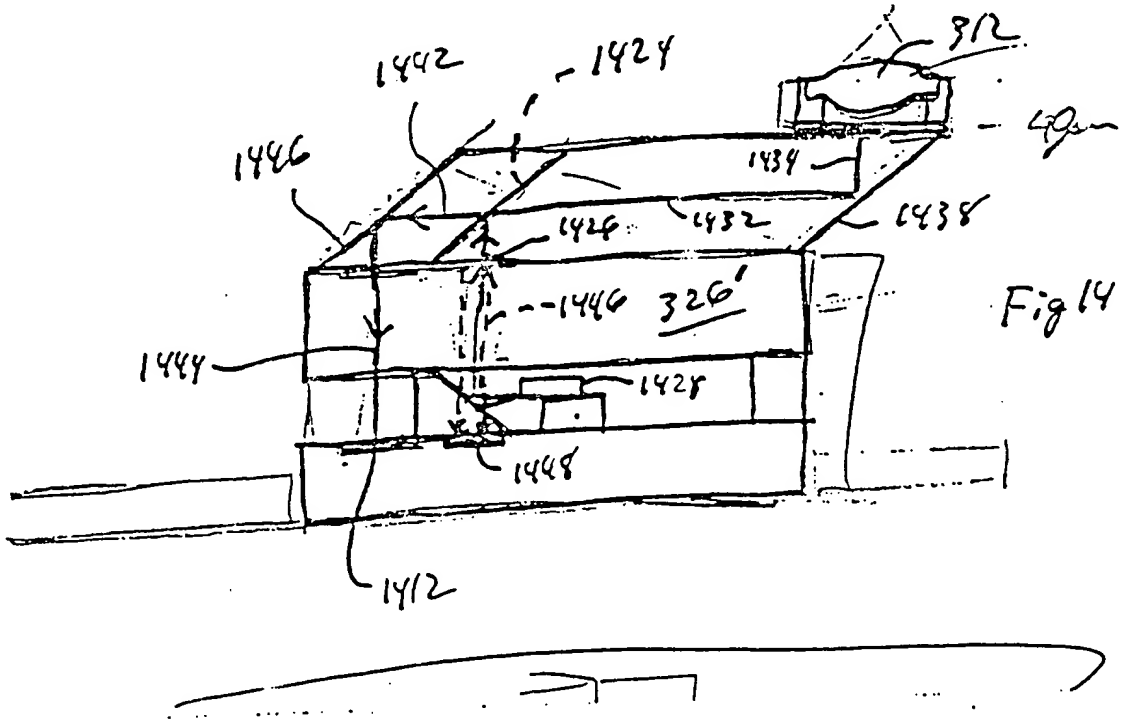
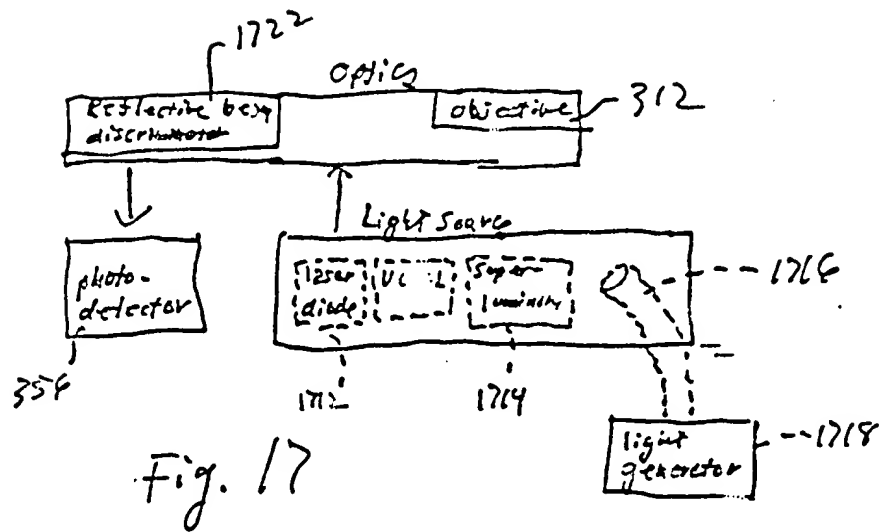
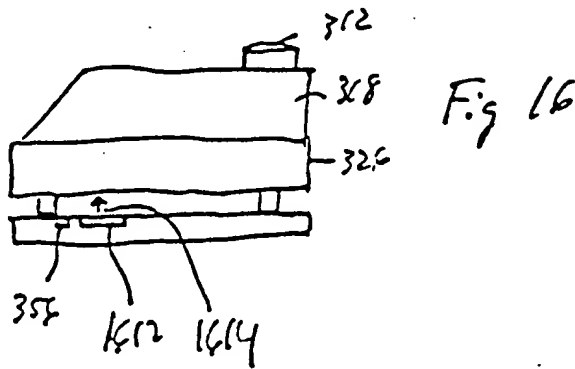
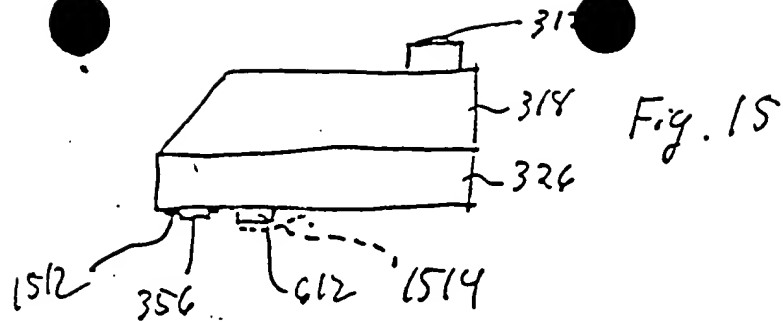
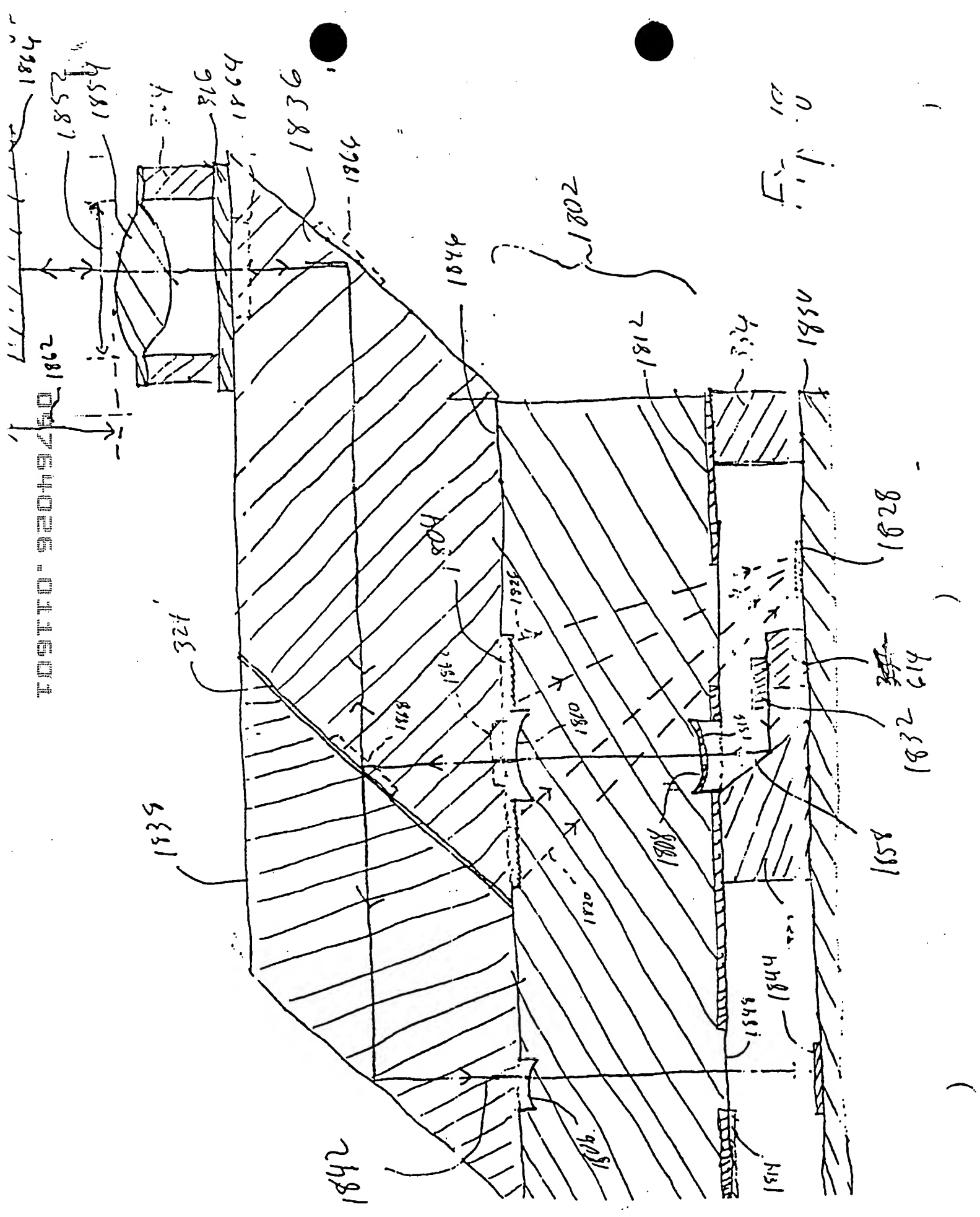
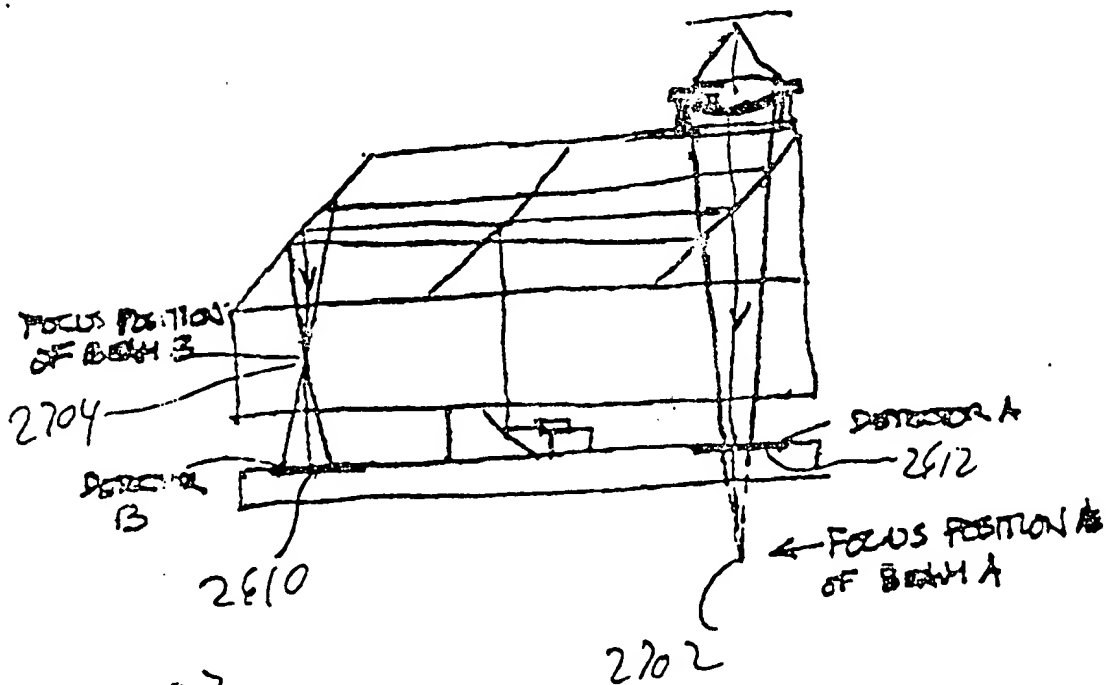


Fig 14





²⁶
Fig. f ~~did~~ IMPROVED LAYOUT, REQUIRING NO SOB.



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FIG. 3 IMPROVED LAYOUT, SHOWING BEAMS IN A DIFFERENTIAL SPOT SIZE MEASUREMENT FOCUS SENSING SCHEME.

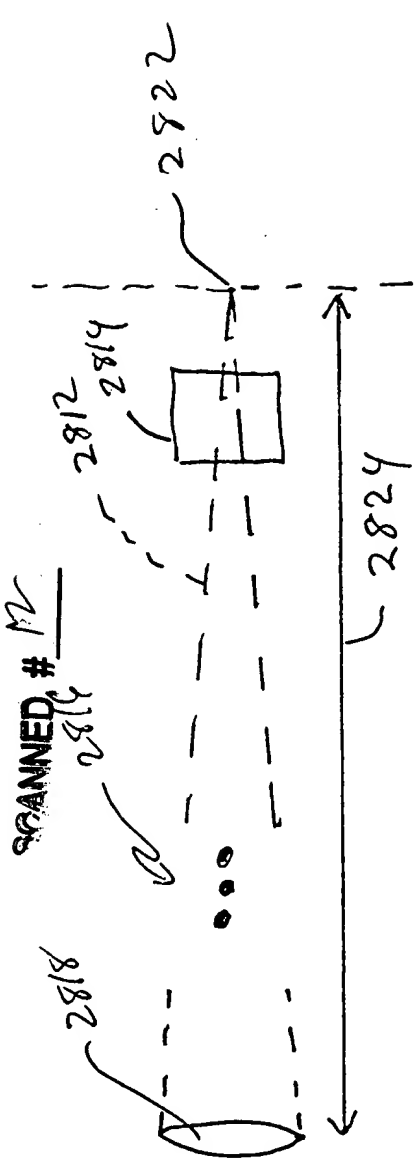


Fig 28A

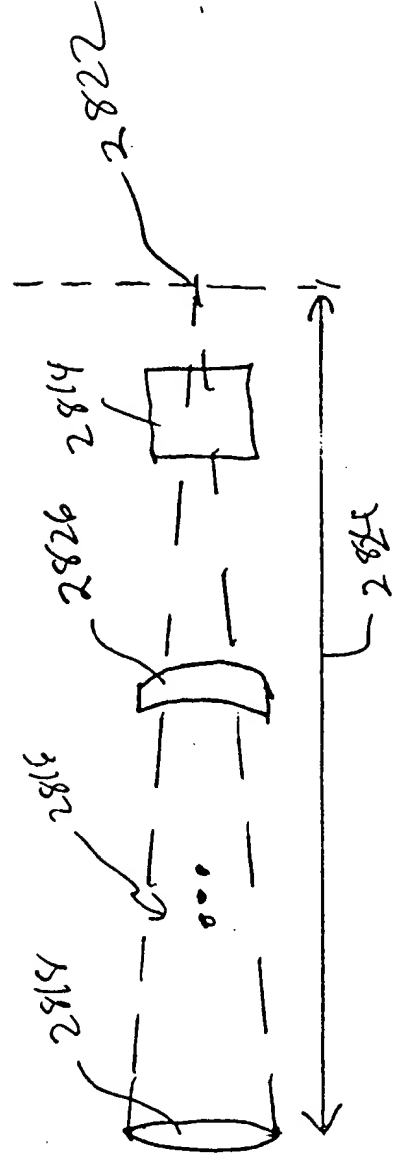


Fig 28B

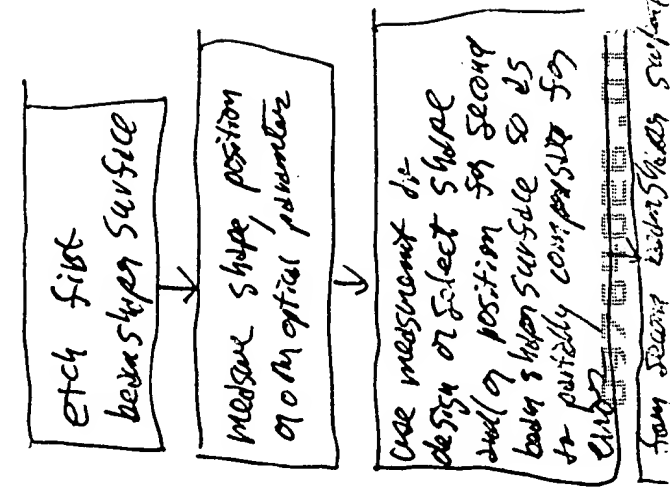


Fig 29

SCANNED # 12

BEAM SHAPER EQUATION

$$C_{20} := -0.39159485$$

$$C_{02} := 1.93044042$$

$$C_{40} := 0.33426195$$

$$C_{22} := -10.209495$$

$$C_{04} := -6.7032532$$

SURFACE 1

$$\text{Sag}(X, Y) := C_{20} \cdot X^2 + C_{02} \cdot Y^2 + C_{40} \cdot X^4 + C_{22} \cdot X^2 \cdot Y^2 + C_{04} \cdot Y^4$$

$$Y := 0, 0.01 \dots 0.086$$

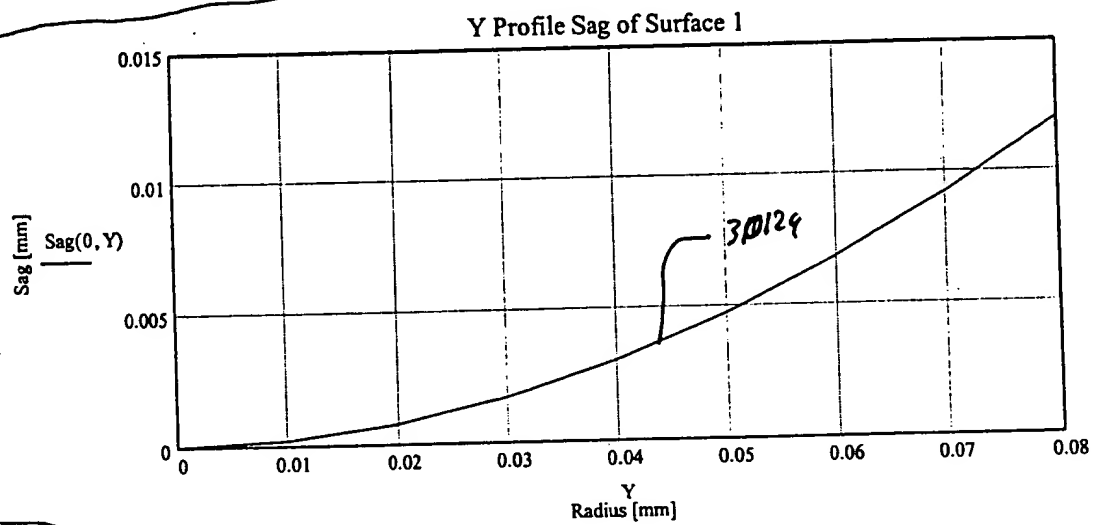


Fig 30A

$$X := 0, 0.01 \dots 0.086$$

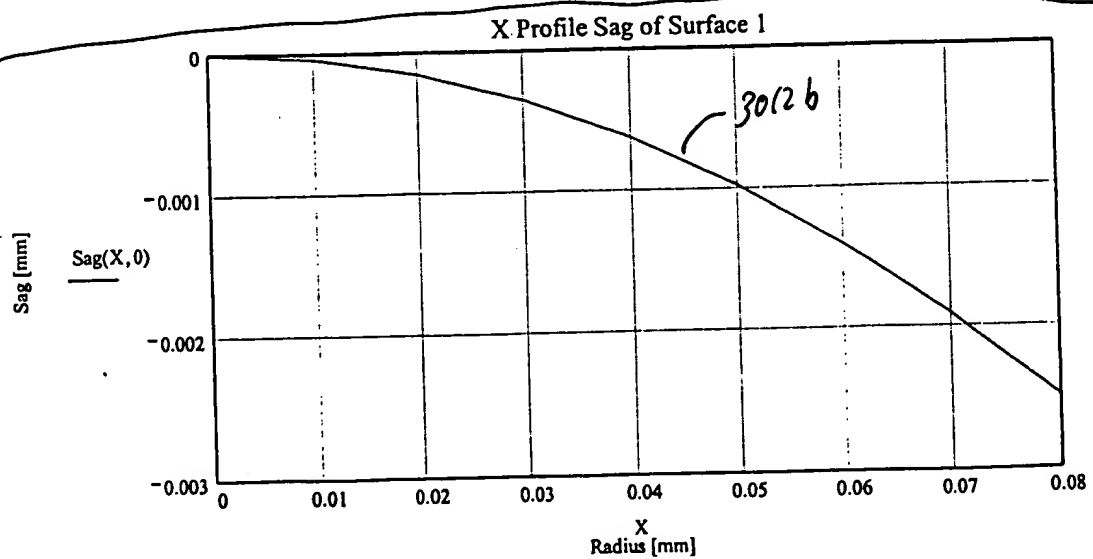


Fig. 30B

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$$C_{20} := -0.052783359$$

SURFACE 2

$$C_{02} := 0.63270121$$

$$C_{40} := 0.034762591$$

$$C_{22} := -0.91998271$$

$$C_{04} := 1.7905847$$

$$\text{Sag}(X, Y) := C_{20} \cdot X^2 + C_{02} \cdot Y^2 + C_{40} \cdot X^4 + C_{22} \cdot X^2 \cdot Y^2 + C_{04} \cdot Y^4$$

$$Y := 0, 0.01 \dots 0.130$$

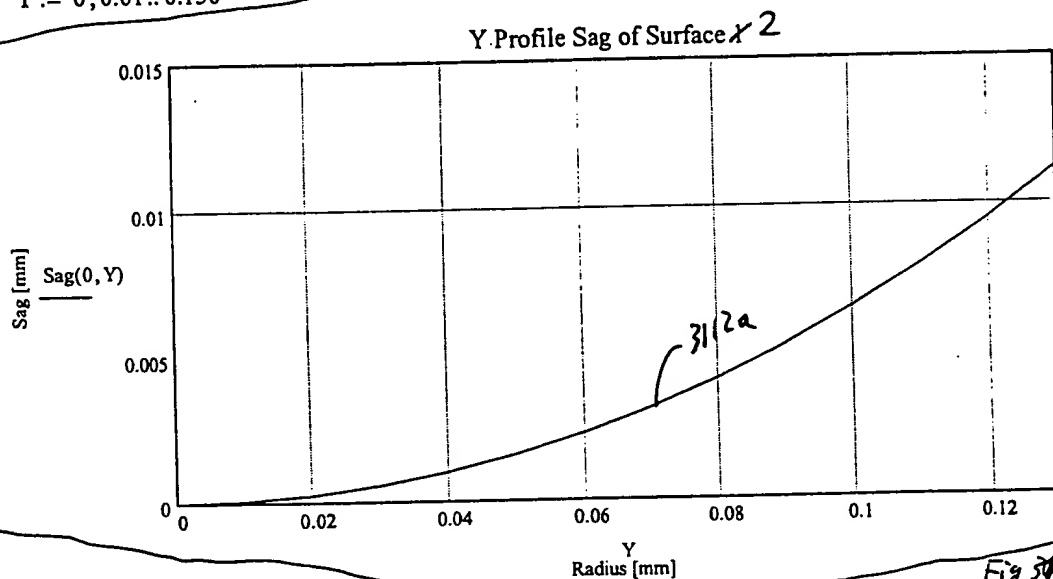


Fig 30A

$$X := 0, 0.01 \dots 0.130$$

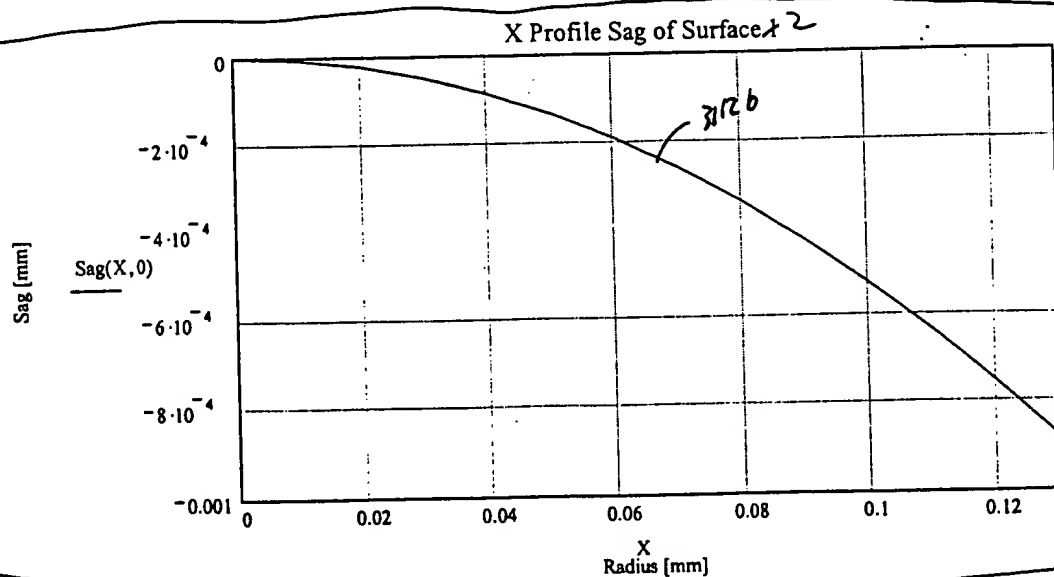


Fig 30B

09764026-011501

Example of Compensating error in the 1st surface by change in the 2nd surface

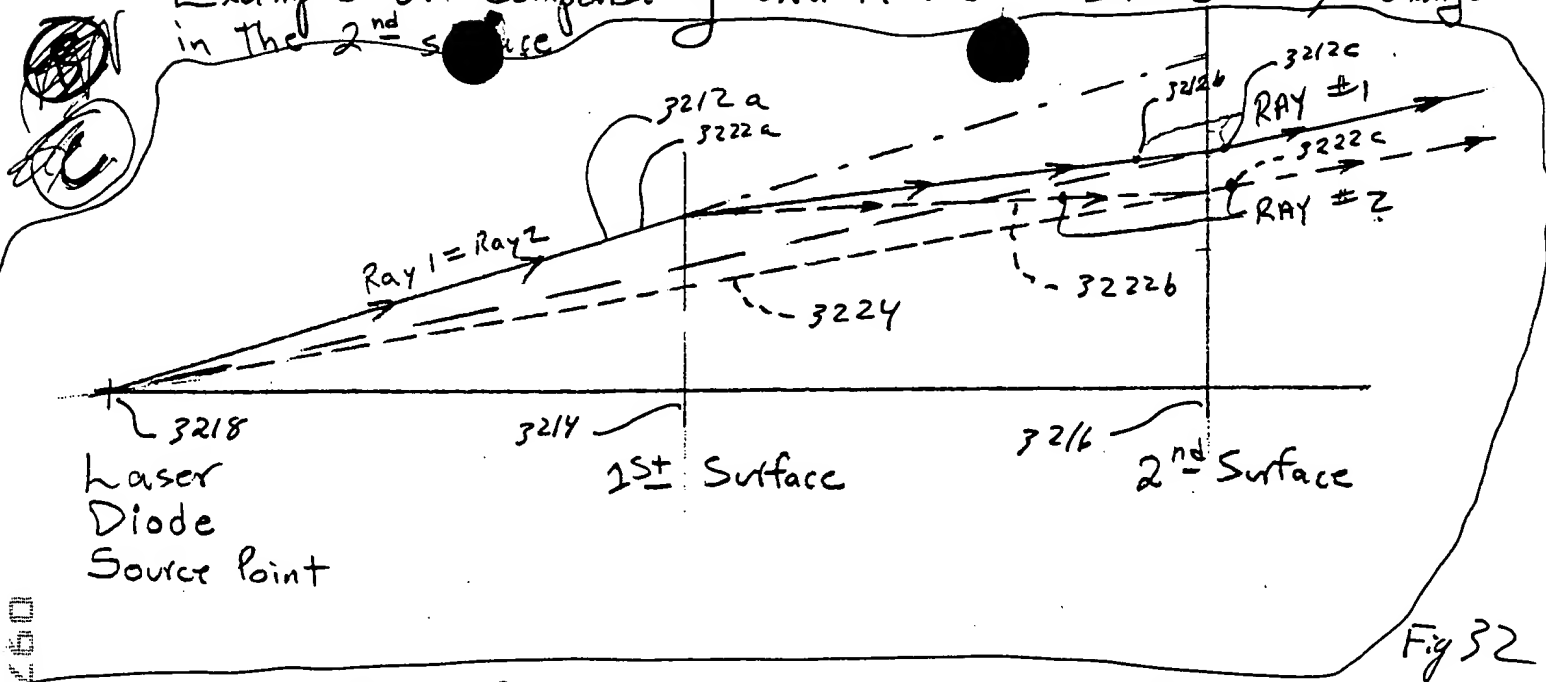


Fig 32

RAY #1 : Perfect Refraction at 1st Surface
Perfect Refraction at 2nd Surface
Source point unchanged

RAY #2 : Imperfect Refraction at 1st Surface.
Ray 2 deviates more than Ray 1.

Compensate with imperfect refraction at 2nd Surface. Ray 2 deviated such that the
Source point is unchanged